

4. The element with a double bond is \_\_\_\_\_.

- a.  $\text{H}_2\text{SO}_4$
- b.  $\text{O}_3$
- c.  $\text{Fe}_2\text{O}_3$
- d.  $\text{H}_2$
- e.  $\text{O}_2$

5. Name this molecule  $\text{MgSO}_4$

Magnesium sulfate

6. How many neutrons are in a stable Xenon atom? (use periodic table) 77

Show math here!

$$\begin{array}{r} 131 \\ - 54 \\ \hline 77 \end{array}$$

7. What is the ONLY noble element without 8 electrons? Helium

8. Only Valence electrons are involved in Chemical Reactions  True True

9. Covalently bonded substances have low melting points, and  
Ionically bonded ones have high melting points.

10. In order to make a stable compound with Rubidium and Chlorine, how many atoms of each would react to make Rubidium Chloride?

Rubidium 1 Chlorine 1

11. In order to make a stable compound of Gallium Fluoride, how many atoms of each would react to make Gallium Fluoride?

Gallium 1 Fluoride 3

12. All elements in the Carbon family have 4 valence electrons.

13. Draw a Lewis Dot Diagram for Lead.

